APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/755,740	01/05/2001	Bob Lord	PD99-2930	3744

22879   7590   07/03/2003

HEWLETT PACKARD COMPANY
P O BOX 272400, 3404 E. HARMONY ROAD
INTELLECTUAL PROPERTY ADMINISTRATION
·FORT COLLINS, CO   80527-2400

EXAMINER
NGUYEN, LE V

ART UNIT	PAPER NUMBER
2174	

DATE MAILED: 07/03/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/755,740	LORD ET AL.
	Examiner	Art Unit
	Le Nguyen	2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☐ Responsive to communication(s) filed on _____ .

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _1-27_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _1-27_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some *   c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .

4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other:

DETAILED ACTION

Claim Rejections - 35 USC § 112

1.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2.   Claims 1-27 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1 and 9 recite the limitation "said nodes" respectively in line 13 and line 2. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4.   Claims 1-27 are rejected under 35 U.S.C. 102(e) as being anticipated by Banning (US 6,380,957 B1).

As per claim 1, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically

related objects, wherein a viewable subset of the objects is displayed on a display device

connected to the client computer in the form of a navigable pane on the display device, the

system comprising a tree descriptor array comprising information describing each of the objects

to be displayed in the navigation pane, a tree descriptor string comprising information describing

a hierarchical structure of expanded nodes in the tree wherein the tree descriptor array and the

tree descriptor string are sent from the server to the client computer and wherein the tree

descriptor string comprises a list of only those nodes which are to be expanded and displayed on

the display device (col. 5, line 5 through col. 6, line 24; col. 7, line 37 through col. 8, line 6; figs.

4B-4C; *a representation of TDA and TDS, rendered in pane 104 of as a view of a tree, displays*

nodes which are to be expanded and displayed).

As per claims 2 and 3, Banning teaches a system for transferring information in a

computer network from a server to a client computer, the information including a plurality of

hierarchically related objects, wherein a viewable subset of the objects is displayed on a display

device connected to the client computer in the form of a navigable pane on the display device,

the system including a managed object list comprising an entry for each of a plurality of

managed objects in the navigable tree and a view list comprising a plurality of indicia of object

data record, each of which represents a child of one of the managed objects corresponding to an

entry in the managed object list wherein each of the entry in the managed object list comprises

indicia of an entry in the view list and wherein each one of the object data record include

information comprising an inherent Universal Identifier for the object to which a given one of

the indicia of object data records corresponds and a Universal Identifier for the parent of the

object to which a given one of the indicia of object data records corresponds (fig. 4B; *Network*

112 contains more than one managed objects with a list of objects specific to a managed object such as "Fs1", "Fs3" and "Share" wherein an identifier for each node, parent or child, is inherent for referencing purposes).

As per claim 4, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein a viewable subset of the objects is displayed on a display device connected to the client computer in the form of a navigable pane on the display device, the system wherein the tree descriptor array comprises information for each object in the viewable subset of the objects to be displayed, including a Universal Identifier of the object, a first index indicating the relative position of the object in the navigable tree, at which a tree segment starts and a second index indicating the relative tree position of the object from its managed object (figs. 4B; *rendered in pane 104 is a view of a tree with objects 112, 114 and Fs1 being in a position relative to each other and reflecting the relationship relative to each other wherein the index of each object is inherent for addressing purposes and wherein an identifier for each node, parent or child, is inherent for referencing purposes).*

As per claims 5 and 6, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein a viewable subset of the objects is displayed on a display device connected to the client computer in the form of a navigable pane on the display device, the system wherein the tree descriptor array comprises a first string indicating whether the object is expandable and a second string indicating whether the object is presently expanded wherein the tree descriptor string further comprises a representation of the hierarchical structure of open

containers in the part of the tree that is being displayed (col. 2, lines 6-24; figs. 4B-4C *a*

representation of TDA, rendered in pane 104 as a view of a tree, with indicators '+ ' and '-').

As per claim 7, Banning teaches a system for transferring information in a computer

network from a server to a client computer, the information including a plurality of hierarchically

related objects, wherein the tree descriptor string further comprises indicia of the location of a

cursor on the display device (col. 4, lines 23-24).

As per claim 8, Banning teaches a system for transferring information in a computer

network from a server to a client computer, the information including a plurality of hierarchically

related objects, wherein the tree descriptor string further comprises indicia of the state of nodes

in the displayed segment of the navigation tree including whether a node comprising a folder is

open (col. 2, lines 6-24; figs. 4B-4C *with indicators '+ ' and '-').*

As per claims 9 and 10, Banning teaches a system for transferring information in a

computer network from a server to a client computer, the information including a plurality of

hierarchically related objects, wherein the client computer uses information in the tree descriptor

string to render a view that includes one said expanded nodes and wherein the client computer

uses information in the tree descriptor array to render a view that includes the expandable nodes

which are to be expanded (figs. 4B-4C; *depicted are elements 112, 114, 116 and 118, which are*

expanded, and elements "31/2 Floppy [A:]" and "Hard drive [C:]", which are to be expanded).

As per claim 11, Banning teaches a system for transferring information in a computer

network from a server to a client computer, the information including a plurality of hierarchically

related objects, wherein, in response to a user of the client computer clicking on one of the

expandable nodes, the client computer sends information via the tree descriptor string to the server identifying the node to be expanded (col. 6, line 48 through col. 7, line 13).

As per claim 12, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein the list contained in the tree descriptor string contains a list of those expandable nodes which are to be expanded and displayed on the display device (fig. 4B; *element "Fs2" of "Network" node*).

Claims 13, 20 and 27 are individually similar in scope to claim 1 and are therefore rejected under similar rationale.

Claims 14 and 15 in combination is similar in scope to the combination of claims 2 and 3 and is therefore rejected under similar rationale.

Claims 16 and 21 are individually similar in scope to claim 4 and are therefore rejected under similar rationale.

Claims 17 and 22 are individually similar in scope to claim 5 and are therefore rejected under similar rationale.

Claims 18 and 23 are individually similar in scope to claim 6 and are therefore rejected under similar rationale.

Claims 19 and 24 are individually similar in scope to claim 7 and are therefore rejected under similar rationale.

Claim 25 is similar in scope to claim 8 and is therefore rejected under similar rationale.

Claim 26 is similar in scope to claim 11 and is therefore rejected under similar rationale.

Conclusion

5.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Weidenfeller et al. (US 6,028,602) teach a method for managing contents of a hierarchical data model.

McNally (US 6,448,985 B1) teaches directory tree user interface having scrollable subsections.

Lokuge (US 6,252,597 B1) teaches scalable user interface for graphically representing hierarchical data.

Ishikawa (US 6,466,239 B2) teaches a method and apparatus for editing data used in creating a three-dimensional virtual reality environment.

Liman et al. (US 6,078,327) teach navigating applications and objects in a graphical user interface.

Bereiter et al. (US 5,917,492) teach a method and system for displaying an expandable tree structure in a data processing system graphical user interface.

Griesmer (US 5,923,328) teaches a method and system for displaying a hierarchical sub-tree by selection of a user interface element in a sub-tree bar control.

Brozowski et al. (US 6,559,871 B1) teach asynchronous tree navigator graphical user interface and associated methods.

Guzak et al. (US 5,977,971) teach tree view control.

Weinberg et al. (US 6,237,006) teach methods for graphically representing Web sites and hierarchical node structures.

Kiernan et al. (US 5,701,137) teach a method for separating a hierarchical tree control into one or more hierarchical child tree controls in a graphical user interface.

Inquires

6.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lê Nguyen whose telephone number is **(703) 305-7601**. The examiner can normally be reached on Monday - Friday from 5:30 am to 2:00 pm (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid, can be reached on (703) 308-0640.

The fax numbers for the organization where this application or proceeding is assigned are as follows:

(703) 746-7238 [After Final Communication]

(703) 746-7239 [Official Communication]

(703) 746-7240 [For status inquiries, Draft Communication]

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Lê Nguyen
Patent Examiner
June 27, 2003

KRISTINE KINCAID
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100